

Background / *Bona fides*

Joseph G. Deken

Education

Educational background encompassing topnotch theoretical, mathematical and science training: Ph.D. from Stanford University in mathematical statistics and concurrently completed all Ph.D. studies in the Stanford School of Education. While on the faculty at Princeton in statistics, three years consulting experience with the Educational Testing Service in Princeton developing evaluation methodology. Postdoctoral work in computer science at Stanford/MIT. Computer media and artificial intelligence studies at Texas, the National Science Foundation, and the Media Lab at MIT. A lifelong commitment and activities in research, teaching, communication, and culture, with faculty and students of all ages and at all levels. Languages acquired include Spanish, French, and Russian in addition to classical training in Latin, Hebrew, and Greek.

(1970) A.B. Physics, Summa Cum Laude (Washington University in St. Louis)

(1976) Ph.D. Mathematical Statistics (Stanford University)

(1979-1981) Postdoctoral Fellow, computer science/statistics (Stanford University/M.I.T.)

Languages: English, Spanish, French, Russian, Hebrew, Latin, Greek

Activities and Organizations

*The activities and organizations are diverse: teaching and communication all levels, from grade school children to adult learners, including teaching in Spanish (computer and English language skills with Project TLC — St. Leo's Spanish language site). University research and teaching at Princeton, Stanford, University of Texas Austin, USC, and SIU School of Medicine. Nationally recognized books including the bestseller **The Electronic Cottage** and extensive science and technology writing. Major public museum work, including design of exhibits and programs for general audiences. Created and founded **Project TLC**, a historic community-based and internet-based "museum" at a time (1993) when "internet" was only an obscure word to most people. Educational leadership and administrative innovation designing university courses and programs, recently including the Medical Library and two-campus computing/information resources as Associate Dean of the Medical School at SIU. The strong and coherent core of this panoply of work is a lifelong dedication to learning, teaching and communicating — a dedication to making knowledge and technology a "new commons" for the benefit of all people.*

(2008-present) **Founder and President, New Blankets, Inc (Community/Technology)**

(2004-present) **Director, Research Program Development**

Office of the Senior Vice Chancellor / Calit2, University of California San Diego

As Director, Research Program Development, my activities are focused on developing new channels of communication for UCSD researchers and scholars. Using these new channels, the university makes its research and scholarship more widely understandable. New channels reach wider segments of the general public and also enhance "in-reach" within the university — enabling researchers and scholars to bridge the barriers between their own specialties. As RPD Director, I have developed and produced innovative outcomes: A large-format "coffee table" book **Scholars Serving Society** provides multimedia capsule introductions spanning the breadth of research and scholarship at UCSD. The **Scholars** book (oversize hardback, paperback, and digital) is constructed as a collection of "galleries," where each gallery focuses on a particular way that the university connects with and serves society and all pages link to the internet and video. In addition to **Scholars** I have created, written and produced video/internet guides and other innovative vehicles such as an interactive multimedia/video CD for incoming transfer students. At present I am assisting in the co-ordination of over 250 researchers and the development of website facilities for the recently launched UCSD-Mexico Partnership initiative.

(1994-present) **Founder and Director, Project TLC**

Office of the Associate Vice Chancellor for Research; University of California, San Diego

Project TLC springs from a vision that modern computer and communication technologies are making possible a new kind of Commons. Computers and communication devices do not create new physical spaces for parks and public lands, of course. Nonetheless, this multimedia, multi-sensory technology is a powerful resource for creating environments that bring people together, in the same way that a physical environment — a local park, a town lake, a beach or a national park (or a concert hall or a barn-raising) — would do. But the new Electronic Commons — like the Common lands set aside by towns or nations throughout history for public parks, museums, gardens, wildernesses and other community enrichment environments — will not appear just because technology makes it possible. The Electronic Commons will only be created if people have the vision to imagine it, and then act on their vision.

(continued)

(2000-2004) **Strategic Advisor, Outreach and In-reach Development**
Office of the Associate Vice Chancellor for Research, University of California San Diego

(2002-2003) **Independent Consultant**
Academic Affairs, Graduate Studies and Research, UCSD

(1997-2002) **Associate Dean of the Medical School**
Southern Illinois University

As Associate Dean of the SIU Medical School, completely revamped and redesigned the Information Architecture and personnel approach of the School, including the integration of the Medical Library with the existing Information Technology groups into a coherent, effective unit of more than fifty people. Redesigned and brought effective management to a hodgepodge of existing near-autonomous multiprotocol sub-networks, historically controlled by academic departments and medical units, creating a modern switched network covering the campus and interoperating with two separate hospitals in Springfield, integrating as well the SIU Carbondale campus (and first-year medical students) some 180 miles away. Launched, after successful competition for major State of Illinois funding, a state-of-the-art videoconferencing hub, automating reservations, bandwidth allocation, and interconnections for statewide locations. The "direct sponsors" program greatly enhanced the responsiveness of IR personnel in addressing technical problems. Open source emphasis eliminated costly licensing and barriers to participation by the Medical School partners in clinics throughout the state. The "loanable technology" program leveraged the circulation capabilities of the Medical Library to address the need for physicians, clinicians, and researchers to evaluate and test state-of-the-art New technologies. (The phrase "loanable technology" now appears widely on the internet; but the innovation at SIU was the first example of this approach.) In an additional, fundamental experiment, the Associate Dean became SIU's first "virtual medical student," joining the class of 2002 and participating not just in their academic curriculum but also in weekly supervised clinical practice. This effort garnered invaluable insight about medicine and medical education, and about the practical deployment of information technology in the classroom, laboratory and clinic.

(1997-2002) **Professor and Chair, Department of Information and Communication Sciences**
Southern Illinois University School of Medicine

As Chair of the Information and Communication Sciences department, brought leadership to Medical Library faculty members and new insight into the Information and Communication Sciences electives offered to Medical Students. Re-conceptualized and rebuilt the Medical Library "computer laboratory" to be a collection of "loanable laptops" (wireless-enabled and distributed throughout the library but easily clustered for group-activity sessions — including classes and sessions teleconferenced to the SIU Carbondale campus nearly 200 miles away.) These initiatives made SIU Medical School one of the first wireless-covered campuses in the nation. Led and supported a major teaching initiative, the "Lab-coat computer" Pilot Project, which gave incoming first-year medical students a fully capable, wireless-connected Windows computer small enough to fit in their lab coat; this computer became a constantly available resource for their education and clinical experience. Developed the first Virtual Visiting Professorship at SIU and the "Technology for Collaboration, and Vice-Versa" elective for fourth-year medical students.

(1994-1997) **Senior Fellow, Laboratory of Comparative Human Cognition**
University of California, San Diego

Interacted with LCHC researchers and research groups in seminars and discussions on theories and activities of human cognition and cognitive development. Interacted with and supported the LCHC community-learning activities at "La Clase Mágica" and the "Fifth Dimension" projects.

(1994-1997) **Research Associate, Center for Research in Computing and the Arts**
University of California, San Diego

At the invitation of CRCA Director Harold Cohen, based on public museum experience, activities, and insights, participated with the visual artists, musicians, and other creative participants at CRCA in conceptualizing and delivering an enhanced role for the arts throughout the community. CRCA members participated occasionally and regularly in the activities for young people that Project TLC conducted at its six sites throughout the community around UCSD.

(1992-93) **Senior Scientist**

Reuben Fleet Space Theater and Science Center; San Diego, California

Joined the Fleet Museum from the California Museum of Science and Industry as part of a collaborative effort with the San Diego Supercomputer Center for more effective outreach, and to create synergy between active scientists at UCSD and the creators of museum exhibits and programs.

(1988-1992) **Technology Curator**

California Museum of Science and Industry; Los Angeles, CA

Designed major new permanent, multimedia exhibits. Studied and evaluated in depth scores of major existing and planned exhibits at museums throughout the country. In particular, relocated and upgraded the Creative Computer exhibit at the California Museum of Science and Industry — where it became not only a significant showcase for modern digital imagery, animation, and music technology, but more importantly a teaching laboratory for artists, technical experts, children, and other members of the community. The Creative Computer exhibit garnered major corporate support as a trailblazing hybrid: a technology+demonstration+artists studio+audience participation+permanent-exhibit area.

(1986-88) **Founding Director, Knowledge and Database Systems Program**

National Science Foundation; Washington, D.C.

A key participant in the most significant reorganization of computing research support in the history of the National Science Foundation. Provided major input into the re-definition of twenty-first century computing frontiers, helping to delineate key Program emphases and Program scopes within the newly-created NSF Directorate of Computer and Information Science and Engineering (CISE).

(1985-86) **Director, Information Science Program**

National Science Foundation; Washington, D.C.

Directed this Program on first joining NSF, as a key bridge between behavioral sciences and computer sciences, and as a bridge into the new conceptualization of computing and its applications at NSF which was beginning at this time.

(1984-85) **Associate Professor, Dept. of Computer Sciences, Dept. of General Business
University of Texas, Austin**

Fast-track promotion based on national impact of writings, influence on the thinking and research of academic colleagues, and impact on science education for the general public.

(1981-84) **Assistant Professor, Dept. of Computer Sciences, Dept. of General Business
University of Texas, Austin**

(1979-81) **National Science Foundation Mathematical Sciences Research Fellow**

Stanford University/MIT (jointly via a pioneering use of the internet, then called ARPAnet)

(1976-80) **Assistant Professor, Department of Statistics**

Princeton University

(1970-71) **Evaluation Associate**

Central Midwestern Regional Educational Laboratory (CEMREL), St. Louis, Missouri

Honors and Awards

(1987) National Science Foundation Annual Employee Awards:

- Performance Management and Recognition System Award;
- Outstanding Performance Rating
- Group Special Achievement Award

(1983) Annual Teaching Innovation Award, University of Texas College of Business

(1983) Regent, Data Processing Management Association Education Foundation

(1981) **The Electronic Cottage** named Book-of-the-Month Science Selection

(1979) Named National Science Foundation Mathematical Sciences Research Fellow

(1970) A.B., summa cum laude, Washington University, St. Louis

(1969) Member, Phi Beta Kappa

(1967) *Atlantic Monthly* College Writing Contest Honorable Mention (poem: *Wheel*)

Publications and Creative Works

Books & CDs

Transfer Students: Keys to Success 2006

This graphics and multimedia "museum in a box" was conceived, designed and produced for approximately 2,000 incoming transfer students to UCSD for Fall 2006. The design concept of "Keys to Success" organizes nearly 1,000 pages of material about UCSD into 30 principal "keys" and guides new transfer students through the material with text, graphics, web material and a number of videos produced by the author expressly for this publication. The project involved collaboration from nearly 100 UCSD faculty, staff and students and was implemented within one year's time, including production to meet student registration deadlines.

Scholars Serving Society: UCSD Spotlight 2003, 2004, 2005 (UCSD, 2003 - 2005)

*This book series is the first major outcome of The Scholars Project, an effort initiated at UCSD by the Office of the Associate Vice Chancellor, Research. The Scholars Project seeks to bring a new vision and a new process to outreach and in-reach activities: "In-reach" process — through which the University understands its outstanding activities, historic role, interrelationships and its pivotal significance in shaping the future. "Outreach" process — through which member of the faculty, students and staff in the university community achieves an enhanced ability to interweave their vision and their activities with the community and the general public. **Scholars Serving Society** is a fledgling effort in many ways, but it has already shown surprising flight. It has been enormously well received by faculty throughout the University, University and community leaders, students and staff. In both paperback and oversize hardback formats, it seems clear that this book has already become a significant catalyst and is in fact just the beginning of a new and powerful shared vision.*

Silico Sapiens: The Fundamentals and Future of Robots (Bantam Books, January 1986)

*Although not a runaway commercial success, the influence of this book was apparent throughout NSF and in Washington, and it was reviewed favorably in The Washington Post and elsewhere. (Incidentally inspiring such things as a Doonsbury cartoon, graphics in the Computer Museum in Boston and other popular ripples.) Fair now to say that the difficult reception for this book was in part because it was ahead of its time. In fact, many of the premises and predictions of **Silico Sapiens** can be found in the mandates of leading edge organizations today such as the M.I.T. Media Lab and Cal(IT)².*

Computer Images: State of the Art (Stewart, Tabori, & Chang 1983)

second U. S. edition, British, French, German, Japanese editions 1984.)

This book was widely translated (French, German, British and Japanese editions) and critically praised, including a reviews in the New York Times and other major media. A significant and still collected book which bridged the glossy boundary of "coffee table" and technical substance with seamless synergy. The book also eventually provided impetus for major fundraising at the University of Texas, where Deken was a faculty member in Computer Science and the Business School.

The Electronic Cottage (William Morrow, 1981).

Chosen by the Book of the Month Club, Macmillan Science Book Club, Quality Paperback Book Club. Bantam Books edition 1983. Over 125,000 copies to date, a bestseller status and has been translated into a half dozen languages worldwide; can be found in virtually every library in the United States, and is often characterized simply as "prescient." In the words of The Washington Post, "The character of this writing is simple and direct: as interesting as the new technology itself."

Articles, Book Chapters and Other Works

Deken J. G. "Robots: Computers' Next Step". Center feature article *Inside Science* in *The New Scientist* September 1990

Deken J.G. 'Synthetic Communicative Environments," presented at the Second Workshop on the Spatial Impacts of Technological Change, Cambridge, England (1989).

Deken J. G. "Personal Computing and Personal Architecture" Chapter 14 of *Spatial Impacts of Technological Change*, John Brotchie and Peter Hall, eds.; Croom Helm, London (1987)

Deken J.G. "Approximating Conditional Moments of the Multivariate Normal Distribution." *SIAM Journal of Scientific and Statistical Computing* v.4 no. 4 (1983)

Deken J. G. "Machines and Metaphors." *Computer Science and Statistics, Proceedings of the Fifteenth Symposium on the Interface*, James E Gentle, ed. North Holland (1983)

Deken J. G. "Probabilistic Behavior and Longest Common Subsequence Length." Chapter 16 in *String Edits, Time Warps, and Macromolecules*, Joseph B. Kruskal and David Sankoff, editors. Addison Wesley (1983)

Deken J. G. "Symbolic Computing and Statistics." Computer Science and Statistics, Proceedings of the Fourteenth Symposium on the interface, Karl W. Heiner, ed. Springer-Verlag (1982)

Deken J. G. "Partial Orders and Partial Exchangeability in Test Theory." Chapter 16 in Test Equating, Paul M. Holland and Donald B. Rubin, editors. Academic Press (1982)

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Deken J. G. "Exact Distributions for Gaps and Stretches." Technical report #291, Department of Statistics, Stanford University (1980)

Deken J. G. "Connectivity in Random Graphs." Technical Report #56, Department of Statistics, Princeton University (1979)

Deken J. G. "Some Limit Results for Longest Common Subsequences." Discrete Mathematics v.26 (1979.)

Deken J. G. "Scheduled Maxima Sequences." Journal of Applied Probability v. 15 (1978)

University Courses Taught

Developing and successfully teaching innovative university courses — in a wide variety of settings including Princeton, Stanford, the University of Texas, University of Southern California, and SIU Medical School — demonstrates a remarkable ability to address rapidly changing technological fields, instructional needs, and social and educational context. Deken has demonstrated award winning teaching, and at instructional levels ranging from large general undergraduate courses to advanced graduate study and hands-on consultation with industry clients management settings. For example, of the seven different courses which Deken taught in Computer Science and in the Business School at the University of Texas, four were entirely new to the university and developed by him. At Texas, Deken was a personal bridge with joint faculty appointments in Computer Science and in the School of Business. He was honored there with the Business School's (one annually) Teaching Innovation Award. That award recognized Deken's radical hands-on approach to teaching: He developed a new Business Honors computing course and concurrently led students in forming a co-op to purchase and share personal computers among themselves. (This effort at a time when all other comparable courses required students to wait in line for punch-card mainframe equipment.) During the same time, the Business School also based one of its most successful annual fundraising appeals by sending complimentary copies of Deken's Computer Images to major benefactors. These benefactors included many of the major business leaders in Texas. Noteworthy — from a community perspective as well as a business and management consulting viewpoint — the Statistical Consulting course that Deken created at the University of Texas brought together students from many different quantitative areas and many different University Departments for a hands-on practicum. In this course, each student worked with an industry client to analyze the industry application and develop a lucid presentation of the situation to both the client and the class. The student consultant then followed up on class discussion, under the instructor's guidance, to work with the client and apply quantitative methods from computing, statistics, data analysis, and graphics to enhance the client's insights and move concretely toward their objectives.

Level Course	Title	University
Graduate	Technology for Collaboration	SIU School of Medicine
Undergraduate	The Design of the Good	University of Southern California
Graduate	Artificial Intelligence/Expert Systems	University of Texas, Austin
Graduate	Statistical Consulting	University of Texas, Austin
Graduate	Introduction to Computing	University of Texas, Austin
Graduate	Introduction to Data Processing	University of Texas, Austin
Undergraduate	Introduction to Computing	University of Texas, Austin
Undergraduate	Data Communications	University of Texas, Austin
Undergraduate	Artificial Intelligence	University of Texas, Austin
Graduate	Introductory Statistics	Stanford University
Graduate	Mathematical Statistics	Princeton University
Graduate P	Probability	Princeton University
Undergraduate	Introductory Statistics	Princeton University
Undergraduate	Mathematical Modeling	Princeton University

Further Dimensions of Leadership and Responsibility

Administrative, Management and Outreach Accomplishments

Extensive experience in continuing education, beginning in 1977 with teaching and organizing Continuing Education programs offered at Princeton for business and scientific professionals in data analysis and statistical techniques. At the University of Texas, developed and taught continuing education classes covering all aspects of microcomputers — at a time when microcomputers were only beginning to be adopted. Designed and implemented museum exhibits in Los Angeles and San Diego — targeting the “informal education” aspect of Continuing Education — raising the public awareness and interest in new fields of knowledge. Administrative roles in these activities included developing content, supervising staff, fundraising and budgeting. Teaching experience is extensive at major universities: Princeton, Stanford, University of Texas, USC and SIU School of Medicine. Administrative leadership included the design of entirely new courses to meet curriculum opportunities and coordinating the participation of several academic Departments on campus for interdisciplinary offerings.

Collaborative management experience includes a pivotal role as co-organizer of the Statistical Sciences interdepartmental offerings at the University of Texas. At the National Science Foundation, collaborated with multiple Programs and Directorates as well as with scientists and reviewers nationwide in creating the Knowledge and Database Systems Program. As Director of Project TLC, collaborative efforts included activities with the Boys and Girls Clubs and local groups such as churches and clubs. As Associate Dean of the SIU School of Medicine, collaborative effort proved essential to enhancing Information Resources — which is the mission of the Associate Dean but spans at least five SIU organizational and management units not reporting to that Dean.

Vocational education experience — especially in the use of computers at all levels, including hardware, software, and communications — is extensive. That experience covers all ages of students, including adults and Spanish speaking groups. Extensive activities for remedial undergraduate mathematics education at USC while Technology Curator at the Museum of Science and Industry in Los Angeles.

The Teaching Innovation Award (1983) at the University of Texas recognized both student services and outstanding teaching. The recognized innovative activities organized students to form a computer co-op which provided them with extensive use of shared personal computers — at a time when most students expected to wait in long lines to enter their programs on keypunch equipment and submit the programs for delayed, job-shop processing on a mainframe. USC student service activities were in collaboration with the Mathematics Department to design supplementary mathematics instruction for new USC students who had lost their high school mathematics skills.

Museum exhibits are learning resources that reach an extremely large audience. For example, in designing the Creative Computer exhibit at the California Museum of Science and Industry in Los Angeles, the exhibit was created to become a resource for simultaneously learning about the latest technology, seeing artists at work, and experiencing “hands on” learning. With regard to learning resources (and student services) at the School of Medicine the Associate Dean is responsible for the Medical Library, student laboratories and other shared technology, and the design and development of major innovations: High speed networking and the Ubiquitous Computing Pilot project (handheld Windows based “lab-coat” computers and wireless “everywhere” connectivity for first and second year medical students) were major innovations when they were introduced.

Leadership in Technology Development and Application

As Associate Dean of the Medical School, introduced, demonstrated and implemented distance based methods for collaboration, including web-based interactive methods. These technologies were incorporated in Medical Library training classes, for interaction with the Virtual Visiting Professor (Dr. Louis Gordon at Stanford) and between faculty members and staff at the two SIU Med campuses — Springfield and Carbondale are 180 miles apart — as well as between both Illinois campuses and the San Diego Supercomputer Center/UCSD where Deken continued actively as a Senior Fellow, focusing intensively on technology transfer between the two institutions. Multimedia networking based on an ATM backbone, which allows for quality-of-service guarantees and bandwidth reservation in support of networked video and videoconferencing was brought in effectively to the Medical School, far ahead of subsequent widespread adoption. Agreements with the Illinois Century Network and other collaborations were forged which connected both SIU Med campuses to educational institutions throughout the state and to the internet with bandwidths ranging from 45Mbps to 155Mbps by the year 2001. (The entire Medical School campus had a single 56K connection when Deken was named Associate Dean in 1997.)

The Ubiquitous Computing Pilot Project was introduced as a collaborative management effort between faculty, staff, and a group of volunteer students to test and demonstrate “everywhere, all the time” computing in medical education and medical practice. Each student in the project, begun in 1998, received a “labcoat sized” computer, fully Windows functional including office and productivity applications, and Web tools — computers connected at all times via wireless spread-spectrum technology to the school network, throughout the student teaching, small group learning, and study spaces.

As Associate Dean, led the Medical School from a hodgepodge of proprietary e-mail and web services to a coordinated approach based on Open Systems. Departments and organizational units retain considerable autonomy, but provided central support and co-ordination of servers based on POP and IMAP mail standards and web based services which do not rely on proprietary systems but use open standards such as javascript, java, HTML, XML. Higher end systems such as Sun Enterprise systems integrate seamlessly with commodity servers based on Linux, Apache webserver, etc. and security systems and advanced networking were enhanced via collaborative consulting with the San Diego Supercomputer Center and co-ordination with academic development teams and security experts nationwide.

The Information Resources reporting to the Associate Dean has been the principal campus support group for the technology (Oracle Academic Information Systems) introduced several years ago across all SIU Campuses (Carbondale, Edwardsville, and the School of Medicine, Springfield). That group led the way in user support and web-based forms repositories not covered by the Oracle Project scope. Under Deken’s leadership, the IR group continuously innovated in e-mail based workflow, including establishing secure, signed e-mail and local certificate servers to lead the SIU system as a whole. The group implemented the MARS workflow system, a Machine Automated Response System based entirely on e-mail, but with web-based report-generation capability for administrators at all levels and other users to initiate help and service requests and track the progress of required activities — all open-source and “open system” resources.

Financial and Budget Experience

The involvement of the Associate Dean of the Medical School in three major financial aspects of the Medical School — decisions, strategic planning, and budget development — is direct and intensive. Long range planning, including targeted objectives and activities, is supervised by a core management team which includes the Dean and Provost of the Medical School, the Associate Deans for Information Resources, Medical Education, Student Affairs and Research, and the Vice Provost. This core group meets weekly and reviews, modifies, and evaluates progress on the strategic plan at the first meeting of each month. Strategic planning activities are based on faculty, staff, and student input as well. In particular, the Executive Committee, consisting of Department Chairs, reviews and approves the Strategic Plan, meeting approximately six times each year.

The Medical School management process relies on input continually gathered from advisory committees representing students, faculty, and staff. Standing committees such as the Educational Policy Committee, The Research Policy Committee, and the Information Management Policy Committee, meet regularly. Specific working groups formed to address targeted activities such as the Curriculum 2000 initiative which the Medical School undertook to completely revise and merge its existing disparate ("standard" and "problem-based") curriculum groups. In addition, the constituencies of the Medical School — education, research, and clinical medical practice (hospitals and clinics) are all participants in committees and working groups such as these which determine the priorities and objectives generated for decisions, planning, and development.

The Associate Dean directly manages a budget of approximately \$ 6M/year of permanent State allocations within the Information Resources group alone. The Associate Dean is called on for leadership in initiatives to compete for State funding such as "Technology Delivered Education" and "Distance Learning," for new staff position development and recruiting, and for advising across all departments of the Medical School on all technology initiatives and budgeting.

Additional prior experience with budgeting and strategic planning has been gained particularly at the National Science Foundation where documents and rationale which Deken helped to produce were presented to OMB and the Congress and led to the formation of the Computer and Information Science and Engineering Directorate, and a doubling of the National Science Foundation budget in these areas.

Advocacy and Legislative Process Experience

Experience at the *local* level has included participation in community groups providing input to government groups such as the Encinitas City Council.

Experience at the State level involves writing and consulting in support of legislation relevant to the California Museum of Science and Industry as a State Institution, and advising the Dean of the Business School on his input to the Texas State legislature.

At SIU, direct involvement with the legislative process since the School of Medicine budget is based on annual State legislation and appropriations directed by IBHE, the Illinois Board of Higher Education. The Associate Dean participates in the annual preparation of the budget documents for IBHE and the Illinois legislature as they affect School of Medicine. The most effective advocacy for the Medical School with the legislature is based on services which the Medical School uniquely provides to the legislators' constituents: advancing available and affordable healthcare in rural Illinois as well as preparing a highly qualified stream of M.D. graduates who will continue to develop and practice in the areas where these constituents live.

Extensive early experience with the legislative process is at the national level, in the development of the annual Congressional authorizing legislation and funding activities for the National Science Foundation, particularly in the preparation of reports, Program highlights, requests for initiatives, and other documents which form the starting point of the NSF annual package presented to OMB and the Congress. The most effective advocacy for the National Science Foundation is a clear and understandable presentation of the advances and benefits produced by basic and applied science research and education — as well as a demonstration that the benefits of funding to NSF will reach all levels of society and include all geographic regions.

Building community relationships is essential to Project TLC. This visionary Program (financed with funds provided by UCSD), was launched entirely in conjunction with the activities of community groups. Those groups involved not only the staff and participants of the Boys and Girls Clubs, but citizens in the local Branch Boards of these clubs, and affiliated groups such as the St. Leo's mission/site, substantial relationships with donors of computer equipment throughout the community, and targeted sponsorship, for example from the Rotary Club.

Interaction with Community, Industry and Business

As a Regent of the DPMA Education Foundation, regularly met with Industry leaders from all fields and parts of the country who shared an interest in effective Data Processing Management.

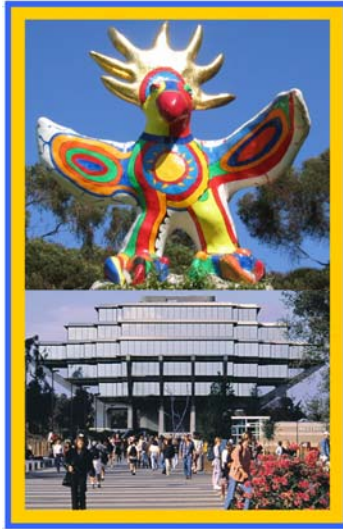
At the National Science Foundation, participated in meeting with and soliciting the input of industry leaders. These advisors, such as David Packard, Bill Joy of Sun Microsystems, Michael Stonebraker of INGRES and many other leaders in information science and technology actively guided NSF Programs and initiatives.

At the California Museum of Science and Industry, developed working relationships with a wide range of companies in California and elsewhere. The *Creative Computer* exhibit alone benefited from the assistance of scores of companies for equipment, expertise, and money.

As a fundraiser — a “scout” and an advocate for alternative funding resources — Deken has achieved considerable success. Personal contacts and effective public speaking have played a key role: successful Keynote Speaker presentations have highlighted a variety of national meetings of groups ranging from Industry and Technology leaders and education groups to the Annual Meeting of the American Art Education Association. The *Creative Computer* contributions were substantial and almost entirely based on personal contacts. The University of Texas used **Computer**

Images: State of the Art as the basis of a singularly successful fundraising campaign — a gift copy of the book was sent to each of 100 of the University's top donors during the holiday season. This combination of personal contacts, public speaking, and widely successful writing for general audiences is a tremendous resource to any innovative educational institution.

Transfer Student Welcome CD – 2006



Welcome To UCSD!

We hope this CD will help you get an insider's view of campus, and introduce you to your many **Keys to Success** as a transfer student!

(unfold this card for a campus



Guide to the Keys (audio)
click for an audio introduction by Nikita Namdarani, President of ACTA (All Campus Transfer Student Association)

Chancellor Fox Welcomes You!

Your Keys To Success at UCSD

The Home Keys

Get to know your College! Its faculty and staff are dedicated to making your career at UCSD a success. (Click on the name of your College below)

Quick Tips
for exploring this CD with Adobe Reader

Revelle	Muir	Marshall	Warren	Roosevelt	Sixth
Provost Daniel Walbert Academic Dean Student Life Dean Mirasol Espanola	Provost Susan Smith Academic Dean Student Life Dean Kay Reynolds	Provost Allan Havis Academic Dean Student Life Dean Anne Porter	Provost Stephen Adler Academic Dean Student Life Dean Catherine Joseph	Provost Ann Craig Academic Dean Student Life Dean Nancy Friedlander	Provost Gabrielle Wienenhausen Academic Dean Student Life Dean Brigitte Benoist
Renee Barnett-Terry	Patty Mahaffey	Ashanti Hands	Paul DeWine	Trish Goen	James Stascavage
Know Your Major Department Contacts for Every Major	Step by Step A checklist of essential steps to launch your first quarter at UCSD.	Classes, grades and transcripts: Tritonlink is your online gateway to all your academic records.	Participate in research. You can work with world class UCSD faculty on a one-to-one basis.	Commuter essentials — housing and roommates, campus commuter lounges, transportation options.	Student Affairs resources to help students develop academically and personally. • Student Services Guide • Engineering Student Services
Find jobs on campus and nearby. Explore careers and applying to graduate and professional schools.	Internships. You can learn in corporate and community settings, and earn academic credit at the same time.	Learning by helping others: Community Service TIES Teams In Engineering Service	International Awareness activities on campus. International Study — travel and study abroad.	The UCSD Libraries offer books, journals, online resources, public computers and more. UCSD BOOKSTORE	Find a class by subject or by professor. Check the student ratings of professors and classes. Transfer Student Seminars
Computing Services: e-mail, wireless networking, and other campus resources.	Associated Students • ACTA • Transfer Student Association <small>Student Organizations and Leadership Opportunities (click you to join 'em)</small>	Triton Sports for varsity athletes and sports fans. Concerts, films, and performances.	Chicano/a and Latino/a Studies Explore the Complete List of Minors Programs	African and African American Studies Contact: Bennetta Jules-Rosette	Prepare for a CAREER in Law, Health Sciences, or as a California Teacher.
Friendly Spaces The University Centers Campus Community Centers Cross Cultural Center The Women's Center Lesbian Gay Bisexual Transgender Resource Center	Personal safety and a positive campus climate. Expert legal help.	FOOD — a wide variety of dining choices.	Help with your budget from the Financial Aid Office.	Keep your student accounts in order	Health and exercise facilities, and intramural sports activities
Develop your creativity with the performing arts.	Stay Well! Healthcare, Health Insurance and Psychological Counseling Services	A wide variety of disability-related support.	Catalogs and guide books.	Maps to help you find your way around. Large/Parking Map	\$ Bargains \$ valuable tips to keep your budget balanced.

Scholars Serving Society

Joseph Deken
John C. Wooley

Scholars Serving Society



University of California San Diego *Spotlight 2005*

Joseph Deken
John C. Wooley

Scholars Serving Society

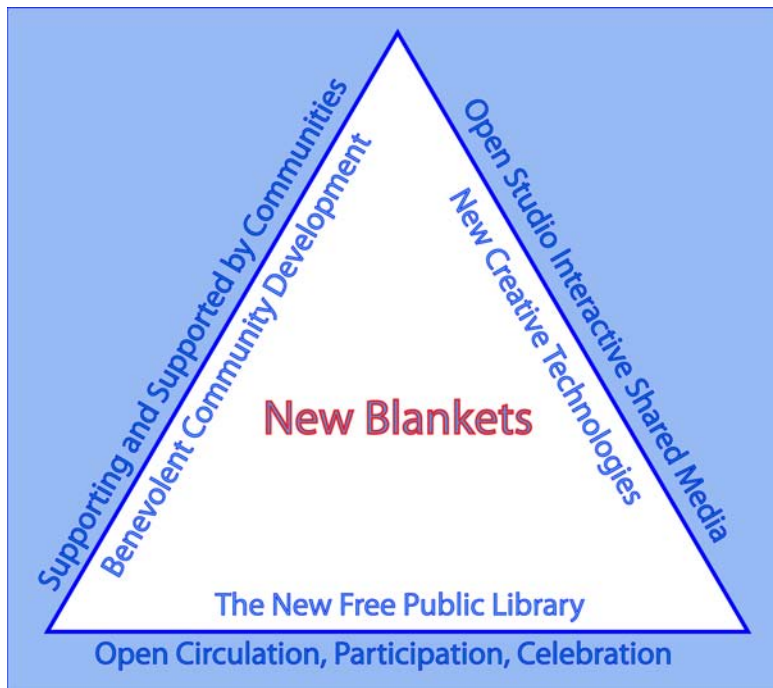


University of California San Diego *Spotlight 2003*

New Blankets



Andrew Carnegie's Model: The Mission and Vision of New Blankets



New Blankets was organized to re-invent the Free Public Library for the 21st century and beyond. We are attempting in many ways to follow "In Carnegie's Footsteps." Our Model is the Carnegie Free Public Libraries, launched by Andrew Carnegie's vision at the beginning of the twentieth century. The Carnegie Free Public Libraries were

- community centers for cultural enrichment
- created by communities organizing themselves for a benevolent purpose
- open to the public and encouraging participation from the public of all ages.

The Carnegie Free Public libraries had a tremendous impact on the cultural and community life of cities and towns not only throughout the United States, but throughout the world. We wish to keep that legacy alive.

The name "New Blankets" was inspired by contrast to the unfortunate historic misuse of technology (biological warfare) -- and the loss of the true spirit of gift giving -- represented by the "smallpox blankets" in the European settlement of the Americas. The New Blankets group wishes to promote technology inspired by benevolent purpose and freely given to strengthen its recipients. The name is meant to be an ironic, anti-hype reminder that technology itself does not improve the human condition.

• *The Challenge of Modern Media*

There are many reasons that Carnegie's free public library model is challenged today. We wish to accept those challenges and carry the free public library movement forward, by re-inventing it:

- Reading skills need to be improved, and enhanced with audio, video and interactive multimedia
- The values of a "**read and write**" culture need to be fostered so that people, especially young people, develop **active** skills as writers, musicians, artists, performers and game-developers, and do not just remain **passive** consumers of music, video, books and video games.
- Many at-risk young people not only have limited reading interests and skills, but are also victims of the **digital divide**. Based on their economic and family situations, these young people do not have access to the powerful computer and media technologies that would inspire them and bring them into participation with larger creative communities. (This situation has a historic parallel; before the Carnegie Free Public Libraries, it was accurate to say that only rich people had books or read books, beyond textbooks in school.)

- ***The New Blankets Approach: Programs and Activities***

Our initial programs and activities are in the following areas:

1. *Develop new **loanable technologies** and teach classes and workshops:*

- Books remain valuable and they are of course perfectly “loanable.” But we wish to develop new devices and new technologies so that anyone, especially disadvantaged young people, can have free and creative access to text, music, graphics and video – as easily as they would borrow a book from their local library. Our “suitcase supercomputer” models consist of handheld “multimedia books” that are freely loanable and also can be re-collected and gathered in “at the library” — not to sit on shelves like passive books do, but to actively network and form engaging, multimedia, animated displays.
- Our “**loanable technology**” or “**multimedia books**” consist of any easily portable device which is inexpensive enough to be purchased and supported as part of a freely circulating “library collection” of items. Our initial collections have circulated for example among young people at the Boys and Girls Clubs or in classrooms or for use in “subway seminars” for high school and college students and adults. “Loanable technology” devices are chosen based upon their ability to support e-books, music, lectures and other audio, several hours of video playback, as well as interchangeable storage and/or networking capability for easy loading and modification of the content provided to borrowers. Our initial efforts and development have thus far used, as “loanable technology”:
 - Sony PlayStation Portable (“PSP”) handheld computers, in “PSP-kits” that include integrated video cameras and Skype headsets for internet conversations;
 - Ultraportable “netbook” computers with 8” screens running Ubuntu Linux;
 - Portable Media Players (“PMP” devices) such as Sly Electronics SLV328 (e-book, audio, video, and FM radio support); and
 - USB memory-sticks containing complete Linux operating systems and free creative software application suites.
- New Blankets’ “**Suitcase Supercomputer**” concept is based on the use of networked advanced hardware that can integrate and co-ordinate the individual “loanable” elements when these loanable elements are assembled together for classes, events and festivals. Our first designs for the “Suitcase Supercomputer” have been based on collections of linux-based Sony PlayStation 3 console computers driving video walls and other physical configurations (of PSPs or netbooks) via wi-fi wireless networking.
- Concentrated sessions, such as classes, workshops and festivals, are valuable opportunities to (i) inspire local groups, such as schools and clubs, and (ii) to launch the participant interactions and mutual maintenance of such groups’ new “local libraries.” Our classes, workshops and festivals are of several different kinds, each providing valuable opportunities for the participants and organizers of the new “free public library.” These classes, workshops and festivals include:
 - Classes and workshops for young people and other “technology outsiders” to gain experience with multimedia and to learn how to use “loanable technology” and other resources to access text, audio, and video resources effectively.

- Classes and workshops for young people and other “technology outsiders” to learn how to **create content** (e.g., text, audio, video, animation and interactive content) to use and freely share with others, primarily via Creative Commons licensing.
- Festivals and workshops to celebrate and display the freely available creative works generated from these new community resources. An important example is the festival/workshop for Boys and Girls Clubs youth and their parents, particularly for parents to appreciate and encourage their children’s creative work.
- Workshops and “builds” for experts in technology and software where new designs for loanable technology, and other devices, new software and configurations of freely shareable multimedia resources can be intensively developed and tested.

2. *Circulate and demonstrate loanable technologies:*

- Unlike traditional books, our **Suitcase Supercomputer** and other new “loanable technologies” present a challenge to participants: They must develop new **read-write skills** and learn to share these skills and their products freely with others. So in addition to developing loanable-technology, we emphasize activities which get new experimental technologies into the hands of everyday people. These diverse new “library patrons” will learn and they will teach us as we continue to innovate. Our initial efforts in this area have included both “physical libraries” in facilities provided by conventional libraries or community centers such as the Boys and Girls Clubs, and “virtual libraries” of loanable technology which technology is circulated among participants person-to-person in a system which we have called “I.O.US.” Examples to date include:
 - Conventional physical library locations (New Blankets loanable technology collections have been integrated into the circulation systems of the Morris Library at Southern Illinois University and at the Gottesman Libraries, Teachers College Columbia University);
 - Distributed and participant-circulated collections launched via USPS/FedEX/UPS (Exhibit III includes a map of many U.S. cities where participants used (and learned to use) the “PSP-kit” version of loanable technology, provided feedback and developed original creative content); and
 - Temporary collections circulated for short periods of time at the Boys and Girls Clubs in Long Beach, the Supercomputer Center at the University of California, San Diego, and the Boys and Girls Club at Carbondale, Illinois in connection with events and workshops.

3. *Provide technical support:*

- Beyond the technical and engineering skills of New Blankets members, engineers and computer scientists, we need to provide technical support to groups such as the Boys and Girls Clubs who are participating with us. Our goal is to develop models that allow the young people and other participants to “maintain their own technologies” and use recycled and other technologies in their communities on an ongoing basis.
- Specifically, we provide (i) classes and workshops for, and (ii) ongoing “technical support” to, library staff and community-organization (such as the Boys and Girls Clubs) staff. Through such classes, workshops and support, we consult with such staff and train such staff in connection with the transition from “libraries with books” to new forms of multimedia-based “loanable technology” and the necessary supporting circulation systems.

4. *Train community-resources leaders:*

- Teachers, youth leaders, Boys and Girls Club staff and other participants will benefit greatly from our assistance in seeing what the “new loanables” can do and how they may establish and lead benevolent “local library” communities.
- Specifically, we provide classes and workshops for library and community-organization staff to develop their communities’ (especially communities of young people) interest in, appreciation for, and skills associated with building both community-maintained, multimedia-based “loanable technology” collections” and the necessary participant-supported circulation systems.

New Blankets Activities Overview		
Program Area / Initiative	Activity or Product produced to date	Beneficiaries
Develop new loanable technologies.	Suitcase Supercomputer: loanable video “wall/ensemble” SuitSup1 & 2 5x5 (based on Sony PSP game consoles) SuitSup3 3x3 (based on netbook computers) SuitSup4 10x10 (based on SLV328 mp3/video players)	General public, young people and especially disadvantaged or at-risk youth groups
Develop new loanable technologies.	USB-stick: A complete self-contained, self-starting Linux operating system and free multimedia software collection. Works on any Intel-based computer.	General public, young people and especially disadvantaged or at-risk youth groups The USB stick is ideally suited to recycling old/discarded computers and making them immediately usable.
Teach classes and workshops	Boys and Girls Clubs of Long Beach CA, Clairemont CA, Carbondale IL, BeWise (girls in science program) and Arroyo Paseo Charter High School	General public, young people and especially disadvantaged or at-risk youth groups
Circulate and demonstrate loanable technologies.	Suitcase Supercomputer and USB-sticks distributed and tested nationally (California, Illinois, Missouri, New York, Oregon, Pennsylvania)	General public, young people and especially disadvantaged or at-risk youth groups
Circulate and demonstrate loanable technologies.	Suitcase Supercomputer and USB-sticks donated to libraries and demonstrated: (Long Beach CA, San Jose CA, New York City, Carbondale IL, St. Louis MO, Florence, Italy)	General public, young people and especially disadvantaged or at-risk youth groups
Provide technical support	Boys and Girls Clubs of Long Beach CA, Clairemont CA, Carbondale IL	General public, young people and especially disadvantaged or at-risk youth groups
Train community-resources leaders.	Wiki created for programs: http://newblankets.wik.is	General public, librarians, teachers, youth group and community leaders
Train community-resources leaders.	Tuesday Transcontinental Breakfasts (weekly teleconference discussions of technology development and community development)	General public, librarians, teachers, youth group and community leaders
Train community-resources leaders.	On-site visits and workshops: Southern Illinois University, Carbondale IL; Teachers College Columbia University, New York City; San Francisco State University, San Francisco CA; History San Jose, San Jose CA	General public, librarians, teachers, youth group and community leaders

Note that individuals that receive benefits are community members and the public at large, in the same way that any free public library benefits everyone in the community. Many benefits “to individuals” are in fact benefits to groups as a whole: a child in one of our workshops may borrow computers and other technology, (so the individual benefit is an in-kind loan) . But the workshop participants routinely develop graphics, music, games and so on that are donated to and used by their groups as a whole. Wherever possible, “loanable technology” materials will be circulated free of charge and member donations and volunteer time will be used to cover the effort of circulation and maintenance. A particular emphasis will be to provide benefits to young people, people on the wrong side of the “digital divide” and to other disadvantaged groups. These “technology outsider” groups do not easily have access to creative technologies and do not feel comfortable using these technologies without the additional, expert help New Blankets can provide.

We will not in general provide “members only” benefits. For workshops on a case-by-case basis, we may ask participants to contribute to the workshop costs on a voluntary basis.

For a detailed description of New Blankets’ past, present and planned activities, please see the following chart:

Activity	Who Conducts	When	Where	How Furthers Purpose
Technology development and planning workshops (“builds”)	New Blankets technology expert members and invited volunteers.	May 2008, June 2008, March 2009, October and continuing	San Diego CA New York, NY Carbondale, IL and online discussion, co-operation	It is essential to develop new technologies and implementations for the public domain and free circulation.
Circulate and demonstrate loanable technologies	New Blankets members and co-operating organizations (Morris and Gottesman Libraries, Boys and Girls Clubs)	June 2008 thru present, continuing	All locations nationwide: San Diego, San Francisco, The Dalles, St. Louis, Carbondale, Philadelphia, Newark, New York City + as added	The core of New Blankets’ purpose is to encourage and facilitate the circulation of loanable technologies by new free public library type organizations. These launch-circulation efforts and experiments are vital to that purpose.
Provide technical support	New Blankets expert members and participant volunteers.	June 2008 thru present, continuing	Morris Library IL, Gottesman Library NYC, Boys and Girls Clubs of Long Beach CA, Clairemont CA, Carbondale IL + as added	It is essential for participating organizations to have training and partner in developing the new types of library “loanables” and participant involvement
Train community-resources leaders.	New Blankets expert members and participant volunteers.	June 2008 thru present, continuing	Morris Library IL, Gottesman Library NYC, Boys and Girls Clubs of Long Beach CA, Clairemont CA, Carbondale IL + as added	The vision of New Blankets, and the practical determination of “what works” for the new free public library must be developed in partnership with community leadership.

New Blankets maintains a website (including an online work-area “wiki”) at <http://newblankets.wik.is>.

New Blankets!

New Blankets is a non-profit, public benefit corporation, organized to re-invent the Free Public Library for the 21st century and beyond. "In Carnegie's Footsteps," our model is the Carnegie Free Public Libraries, launched by Andrew Carnegie's vision at the beginning of the twentieth century. New Blankets seeks to promote new "free public libraries" that are:

- community centers for cultural enrichment,
- created by communities organizing themselves for a benevolent purpose,
- open to the public and encouraging participation from the public of all ages.

Who Will Carry New Blankets forward?

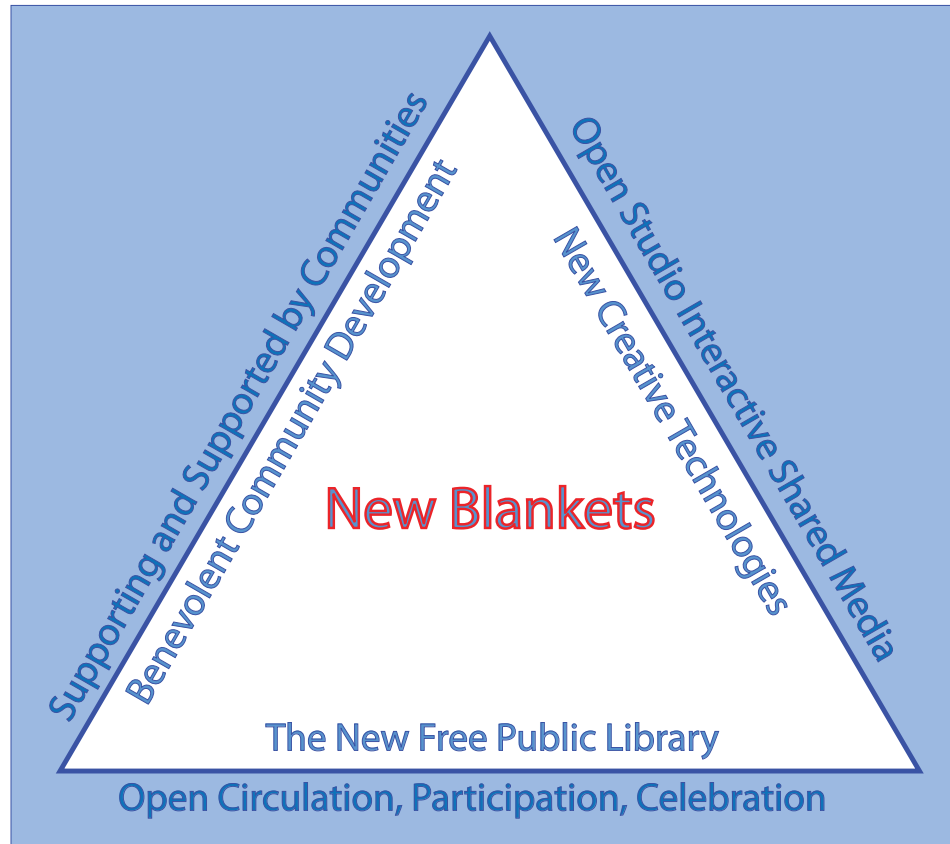
We invite you to fill out a ballot here to nominate someone you feel deserves to receive this symbolic blanket. Please describe on your ballot **why** that person embodies the New Blankets spirit of community. Please make a contribution with your nomination. We will honor **all** of the nominees here and one of them will be chosen to receive the blanket as a gift and an inspiration. (All contributions received will benefit [The Boys and Girls Club of Carbondale](#), [The Nature Conservancy](#), and New Blankets' ongoing efforts for community cultural co-operation.) The purchase of these gift blankets, which are designed by Indian tribal college students and other Native American artists, also directly supports the American Indian College Fund.)

About the name

The name "New Blankets" was inspired by contrast to the unfortunate historic misuse of technology (biological warfare) — and the loss of the true spirit of gift giving — represented by "smallpox blankets" in the European settlement of North America. The New Blankets group wishes to promote technology inspired by benevolent purpose and freely given to strengthen all participants. The name is meant to be an ironic, anti-hype reminder that technology, in itself, does not improve the human condition. We have also made use of blankets designed by Indian students for the American Indian College Fund as part of our activities and we especially emphasize that our activities should benefit under-represented and "outsider" participants.



smallpox blankets in 1763



*My dear friends,
I am so very pleased that
my illustration has inspired
good people to finally do the
exact opposite of what it
depicts. May God Bless
you in your noble efforts.
- Jerry R. Peter
9/17/2008*



Navajo Water Blanket

Based on an early 19th-century photograph by Edward S. Curtis, the blanket incorporates classic Navajo elements in an eye-dazzling pattern. The central dragonfly, an emblem of water, symbolizes life. Includes a special hangtag with the legend, inspiration or history behind the blanket. 82% pure virgin wool/18% cotton, unnaped. Dry clean. Made in the USA. Created exclusively for the American Indian College Fund. Your purchase helps fund scholarships and other needs. 64" x 80". \$275.00

Hidatsa Earth Blanket

64" x 80". From an Edward S. Curtis photograph, the Hidatsa Earth Blanket embodies the elements of earth and sky. The grey triangular step pattern in the center is called the mountain design. Each cross represents the four directions. 82% pure virgin wool/18% cotton, unnaped. Dry clean. Made in the USA. Created exclusively for the American Indian College Fund. Your purchase helps fund scholarships and other needs. \$275.00



Cheyenne Eagle Blanket

Depicts the Cheyenne story of how a warrior freed an eagle from the antlers of an elk. For helping to free him, the eagle gave the man a gift - a beautiful stallion covered with spots just like the eagle's feathers. Designed exclusively for the American Indian College Fund by Northern Cheyenne Artist Ben Nighthorse Campbell, this truly artistic blanket includes a special hangtag that tells the story of the Eagle, the Elk, and the Warrior. Photograph: Raymond Meeks. 82% pure virgin wool/18% cotton, unnaped. Dry clean. Made in the USA. 40" x 60" \$185.00



Grandeur Saddle Blanket

70852

66" x 40". Designed by student artist Sampon Frank-Dine, the powerful eagle image captures the strength and glory of this messenger to the heavens, a long revered Dine totem. This blanket includes a special hangtag with the legend, inspiration or history behind the blanket. Unnaped. 82% pure virgin wool/18% cotton. Dry clean. Made in the USA. Created exclusively for the American Indian College Fund. Your purchase helps fund scholarships and other needs. \$198.00

Homage To Spider Woman Blanket

64" x 80". Based on an original painting by artist R.C. Gorman, it depicts the deity who taught ancestors the art of weaving. Includes a special hangtag with the legend, inspiration or history behind the blanket. 82% pure virgin wool/18% cotton, unnaped. Dry clean. Made in the USA. Created exclusively for the American Indian College Fund. Your purchase helps fund scholarships and other needs. \$275.00



Maaso Blanket

64" x 80". According to the Yaqui, the Maaso, or deer, are the largest and wisest of all animals, and man could learn from them. After many years of deer hunting, the Yaqui decided that Maaso should live. Yaqui/Mexican artist Amado Peña captures that love of nature in this striking blanket. This blanket includes a special hangtag with the legend, inspiration or history behind the blanket. Unnapped. 82% pure virgin wool/18% cotton. Dry clean. Made in the USA. Created exclusively for the American Indian College Fund. Your purchase helps fund scholarships and other needs. \$275.00



Tribute to Jack Briggs

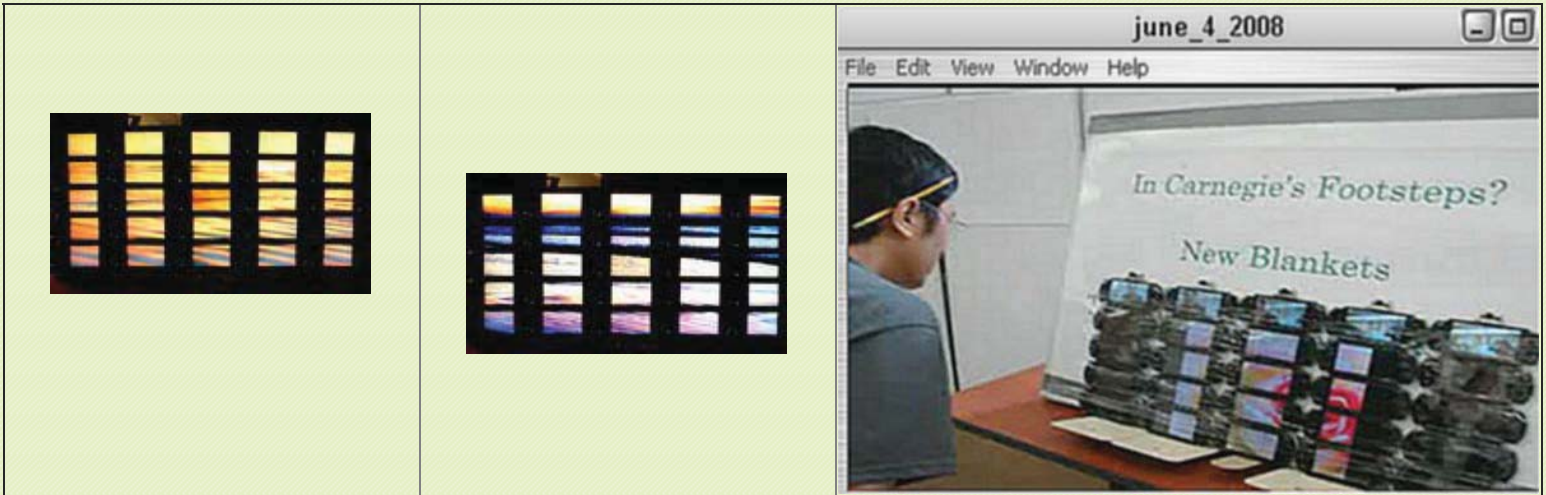
64" x 80". Lester "Jack" Briggs was a legend. He lived a childhood of institutionalized racism and grew up to be a man whose goal was to build bridges between Indians and non-Indians. He was a student who earned multiple degrees. He was a teacher who helped create the only college in the nation organized as both a state community college and a tribal college. This blanket was created in his honor. Its pattern is based on traditional Ojibwa beadwork. Your purchase helps fund scholarships and other needs. \$270.00

American Indian College Fund

The American Indian College Fund raises money for 32 tribal colleges that serve 30,000 students representing 250 native tribes. The fund disburses approximately 5,000 scholarships annually for American Indian students seeking to better their lives through continued education. The tribal colleges play a vital role in the futures of Native American people, our country and, ultimately, people everywhere. For 98 years, Pendleton Woolen Mills has maintained a mutual respect for our original customers, Native Americans. That is one of the many reasons we are pleased to support this important philanthropic partnership. When you purchase any blanket from our American Indian College Fund Collection, a portion of the proceeds goes to help tribal colleges throughout the country. To find out more about the American Indian College Fund, call 1-800-776-3863, or visit www.collegefund.org.

The Suitcase Supercomputer

- **Suit_Sup Inflowing:** The Assembled Suitcase Supercomputer creates an Exhibition/Event/Festival/Focus



- **Suit_Sup Outflowing:** The Dispersed Suitcase Supercomputer circulates through and links Creative Communities



The Suitcase Supercomputer

The Suitcase Supercomputer Takes Off!

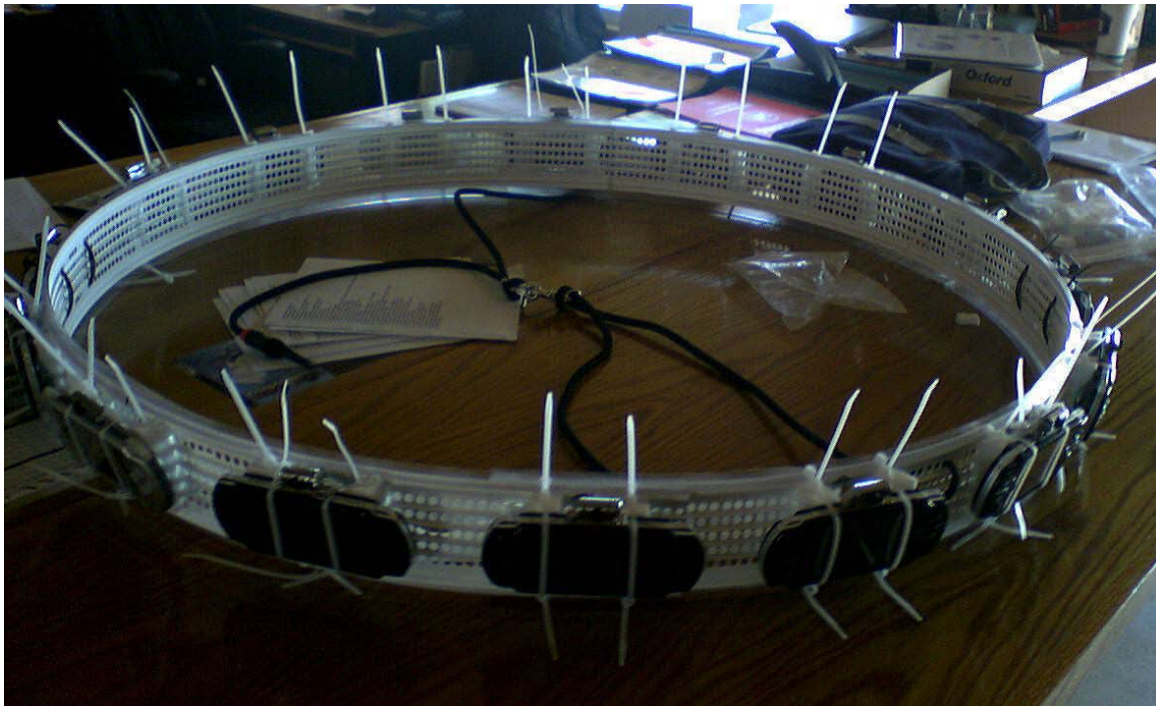
March 16, 12:00PM Torrey Pines Glider Port



Thanks,

Ki!

-- & Robin!





The flowers grow at Lyle Point = a fishing place for thousands of years. Now a Yakima sacred site where an entire settlement died from smallpox blankets.

